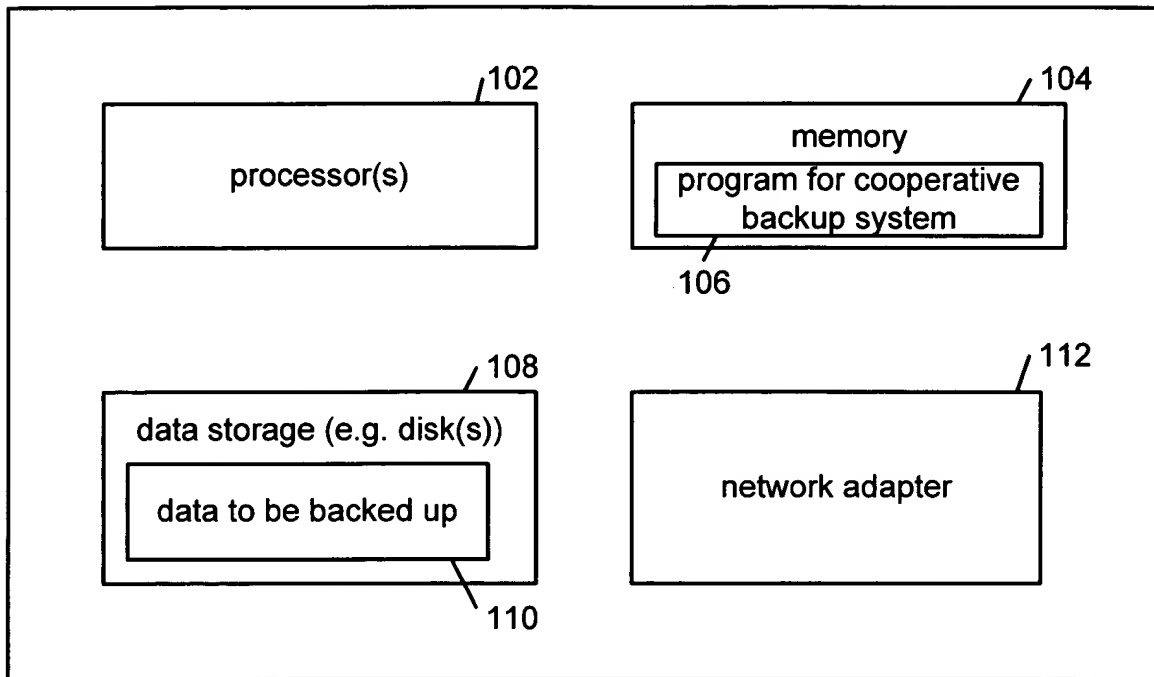


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Distributed, Cooperative Backup System

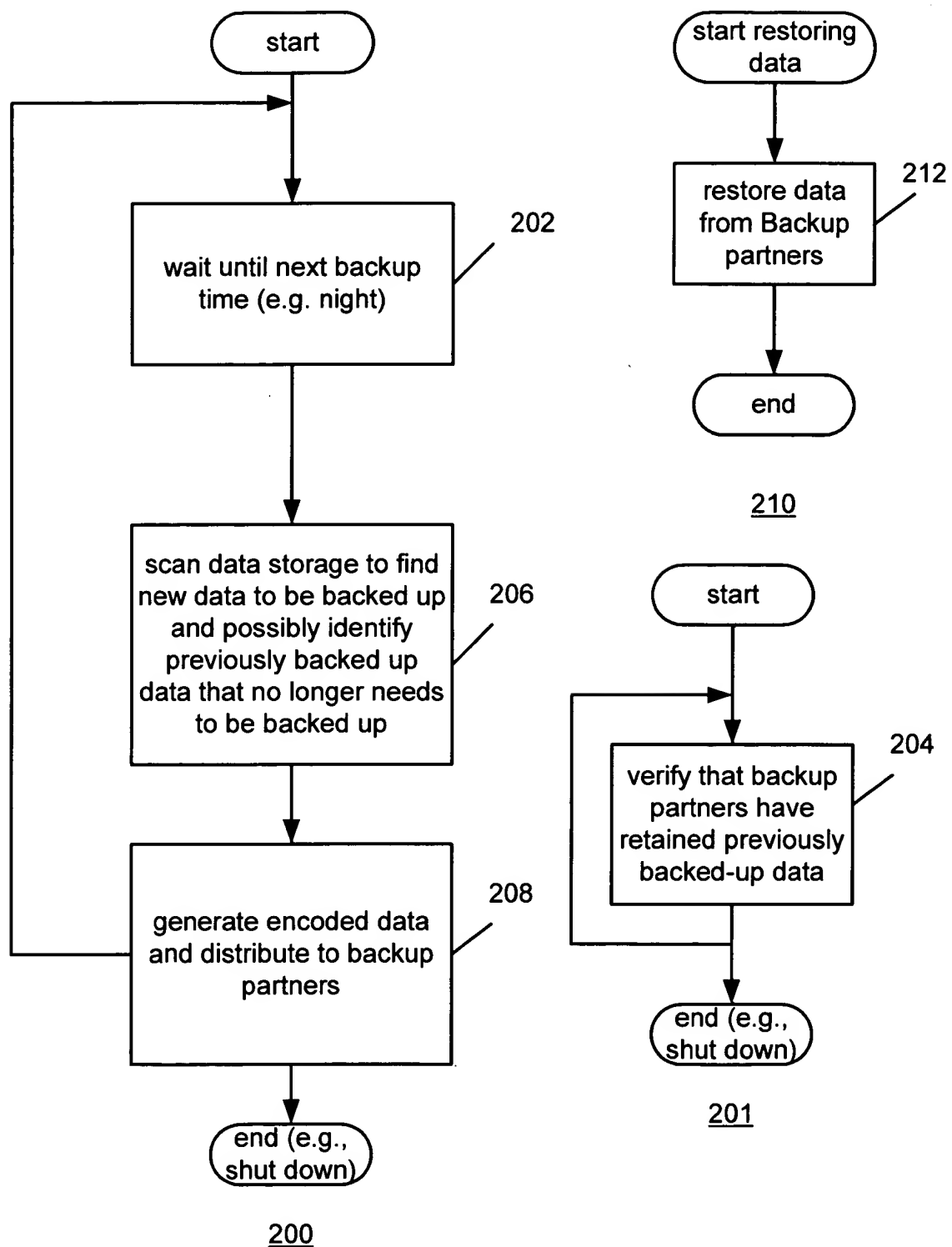
Fig. 1



14_i $i = 1, \dots, n$

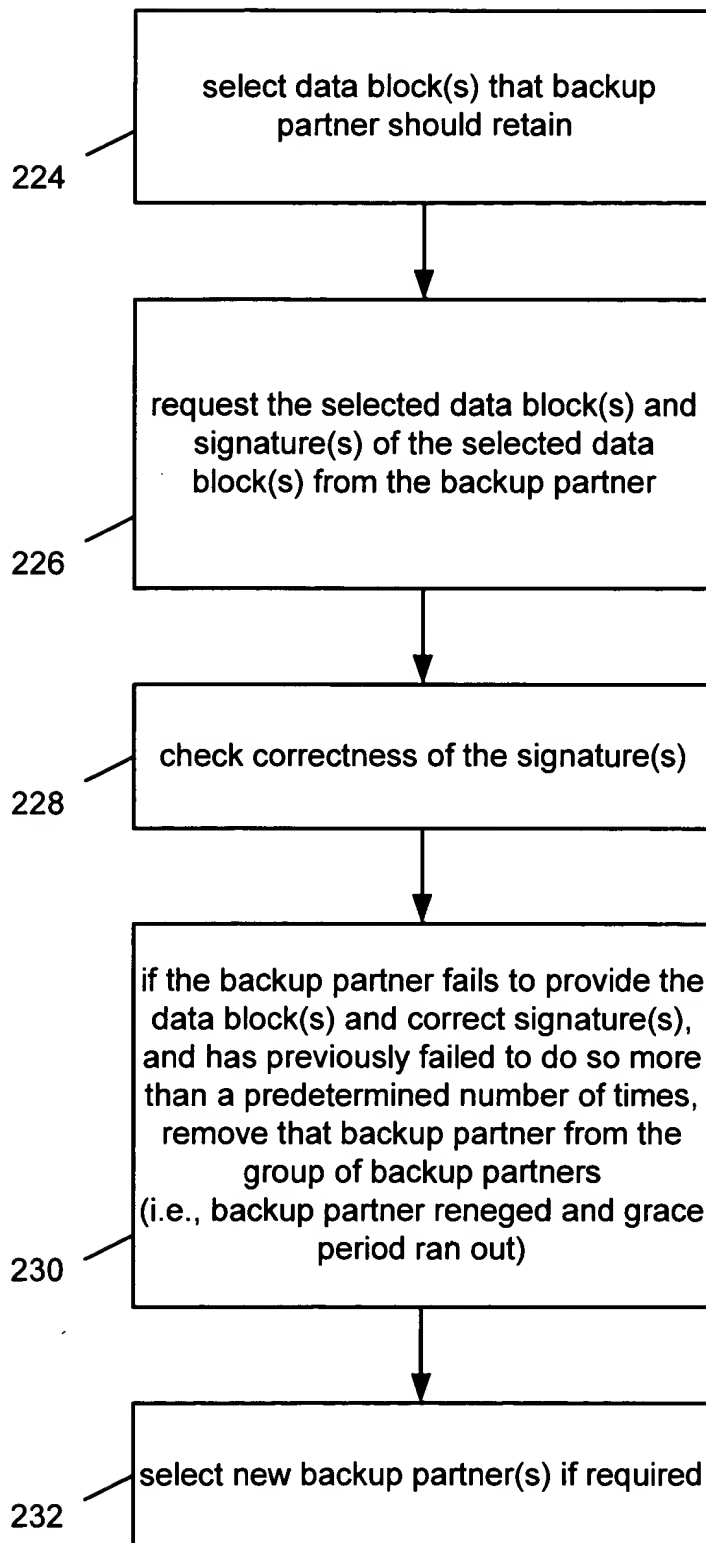
computer system

Fig. 2



Backup Operations of the Cooperative Backup System
at Each Computer System

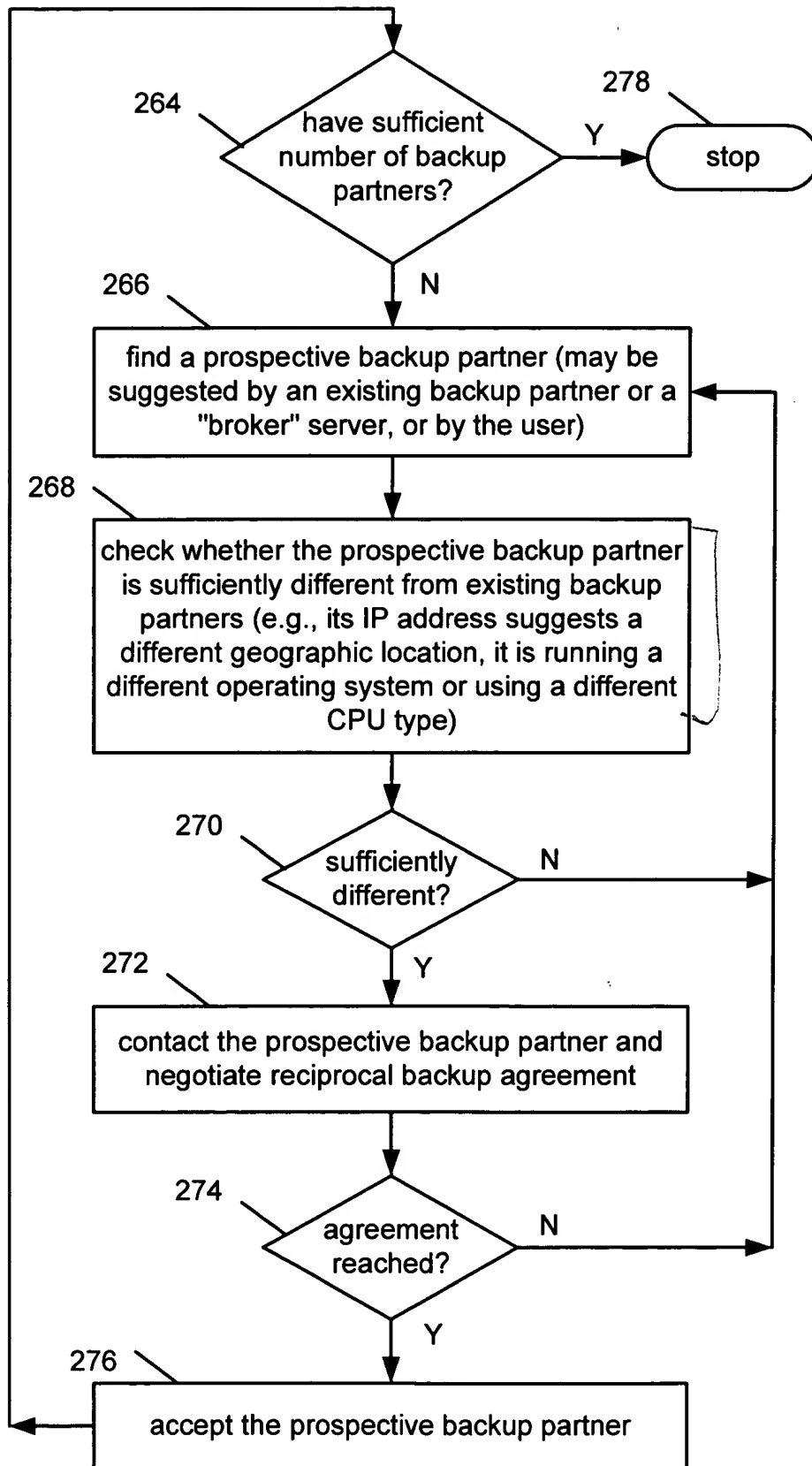
Fig. 3



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Verifying That Backup Partner Retained Previously Backed Up Data

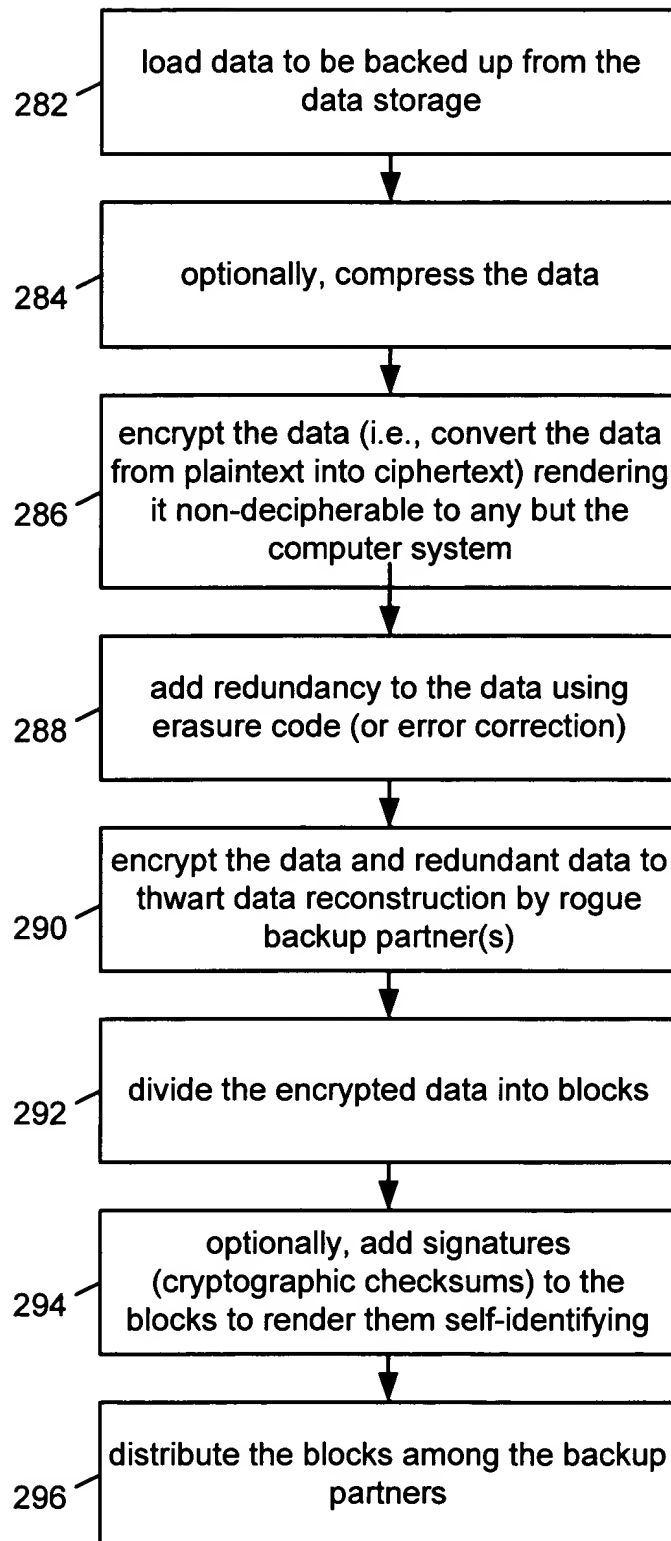
Fig. 4



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Selecting New Backup Partner If Required

Fig. 5

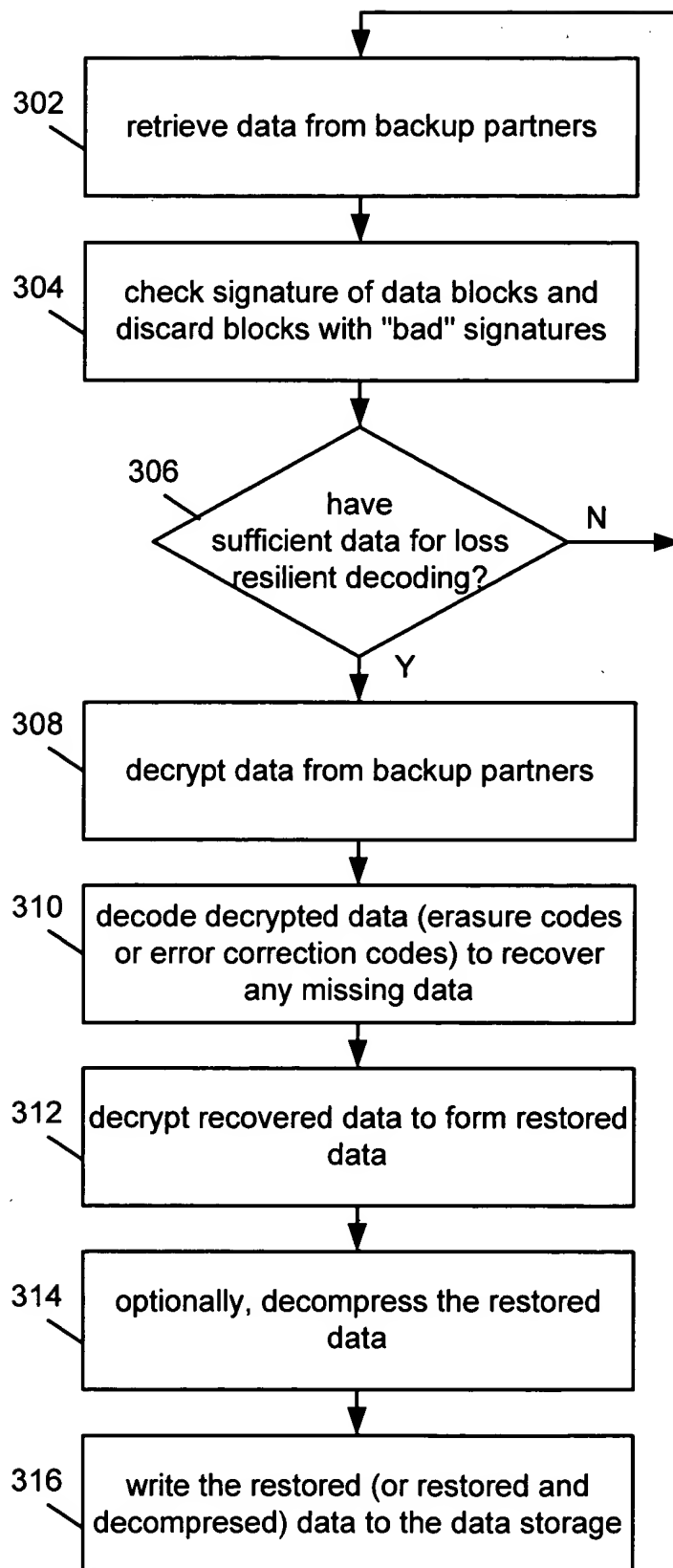


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Generate Encoded Data and Distribute to Backup Partners

Fig. 6

Station	Time	Lat.	Long.	Alt.	Wind	Temp.	Hum.	Press.	Clouds	Remarks
1	0100	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
2	0200	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
3	0300	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
4	0400	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
5	0500	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
6	0600	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
7	0700	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
8	0800	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
9	0900	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
10	1000	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
11	1100	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
12	1200	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
13	1300	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
14	1400	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
15	1500	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
16	1600	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
17	1700	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
18	1800	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
19	1900	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
20	2000	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
21	2100	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
22	2200	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
23	2300	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain
24	0000	34° 15' N	121° 05' E	10	010	15.5	85	1013.5	0-10	Light rain



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Restore Data from Backup Partners

Fig. 7